

Modules

Category: Software Environment

DRAFT

This article is being reviewed for completeness and technical accuracy.

A system called "modules" to centralize the location of licensed products from vendors or software from public domain is installed on all NAS HECC systems.

To use the modules commands, you have to do either one of the following first:

1. Source the following files in your .cshrc or .profile

in .cshrc (for csh users)

```
source /usr/local/lib/global.cshrc  
in .profile (for bash users)
```

```
source /usr/local/lib/global.profile
```

2. In the shell that you want to use the module commands, do one of the following:

(csh users)

```
%source /usr/share/modules/init/csh  
(bash users)
```

```
%. /usr/share/modules/init/bash
```

The following are useful module commands to remember:

- %module avail

to find out what modules are available.

- %module list

to list which modules are loaded in your environment.

- %module purge

to unload all loaded modulefiles.

- `%module load module_name1 module_name2 ... module_nameN`

to load the desired modules.

- `%module switch old_module_name new_module_name`

to switch between two modules.

- `%module show module_name`

to show changes to the environment that will happen if you load *module_name*.

Article ID: 115

Last updated: 24 May, 2011

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